Special Programs

Administration

400 Seventh St., S.W. Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0543/S, REVISION 1

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. Source Identification Sperry Sun Source Plug Assembly No. 009100.
- 2. <u>Source Description</u> The source plug is manufactured from steel and consists of an inner capsule containing Americium-241/Beryllium pressed powder pellets. The source plug has outside dimensions of 42.5 mm (1.6 inches) in diameter and 30.2 mm (1.19 inches) in length. The closure of the source plug is welded using Tungsten Inert Gas and a minimum 75% weld penetration is achieved. All capsules authorized by this certificate shall be manufactured in accordance with Sperry-Sun drawing no. 009100, revision H (attached).
- 3. <u>Radioactive Contents</u> source plug assemblies authorized by this certificate shall contain not more than 148 GBq (4 Ci) of Americium-241. The Americium-241 shall be in the form of Americium/Beryllium pressed powder pellets and contained in an inner source capsule.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires April 1, 2008.

^{1 &}quot;Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

CERTIFICATE USA/0543/S, REVISION 1

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated January 13, 2003 submitted by Halliburton Energy Services, Houston, TX, and in consideration of other information on file in this Office.

Robert A. McGuire

MAR 3 1 2003

(DATE)

MAssociate Administrator for Hazardous Materials Safety

Revision 1 - Issued to extend the expiration date.

